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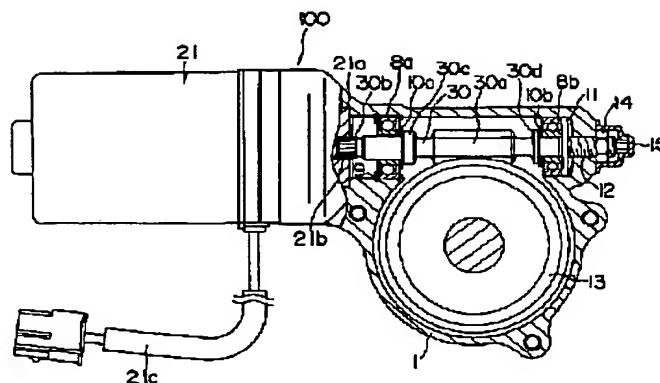
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TITLE : ELECTRIC POWER STEERING UNIT



ABSTRACT : PROBLEM TO BE SOLVED: To reduce the noise of a gear by deforming an elastic body, when gear surfaces of a worm and a worm wheel make contact with each other, thereby rotating a rotating shaft in at least one direction of the axial direction and the radial direction in relation to a housing.

SOLUTION: A steering wheel is often immediately operated in the reverse direction after operated in one direction in the transverse movement of a vehicle. In such a case, the power transmitting direction is suddenly reversed, and the gear surfaces of a worm 30a and a worm wheel 13 separated by a back lash portion are collided to each other. The gear surfaces are also often collided to each other by the vibration transmitted from a wheel shaft in traveling. The impact force caused between the gear surfaces is moderated by further deflecting a disc spring 10a or 10b to move a rotating shaft 30 in axial, direction, whereby the striking sound can be reduced.

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